Release A CDR RID Report

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Document Planning Workbench DDDR

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Section **Page** **Figure** **Table**

Category Name Planning (PLS) Design **Actionee** ECS
Sub Category
Subject Reporting Plan vs. Actuals for various reporting periods (e. g., daily, weekly, monthly).

Description of Problem or Suggestion:

It's not clear that the DAAC has the ability to easily determine the performance of a given monthly plan given the processing that occurred for the month.
Planning has been described as statusing production to determine what has been done so that the stuff that didn't get done one day can be added to the next day's plan. Both the DAAC and the instrument teams would like to be able to get daily, weekly, etc., etc., reports on what products or portions of products didn't get produced.

Originator's Recommendation

Show how PLANG (or some other subsystem) supports this capability.

Planning should produce reports for the DAAC and instrument teams which summarize the products which were produced. The reports should also summarize which products weren't produced on a given day.

GSFC Response by: **GSFC Response Date**

HAIS Response by: Jacob Eisenstein **HAIS Schedule** 10/25/95
HAIS R. E. Jolyon Martin **HAIS Response Date** 11/8/95

The DAAC has the capability to generate any number of reports from the PDPS database. These are described in section 4.7.4 of the Planning Subsystem Design Specification. The reports include Planning Workload and Processing Turn-Around Reports, which specify information on the planned vs. actual processing results.

The problem identified at the Delta Detailed Design Review was that a long-term plan is updated regularly during the lifetime of the plan. The purpose of this update is to not only incorporate recent plan updates, but also to reflect what production has completed, so that what is left to occur may be recalculated and used to select a suitable set of jobs from the plan to be scheduled within the Data Processing Subsystem. This update thus changes the planned time of the Data Processing Requests within the plan. A comparison of actuals with planned data would not be valid if a baseline of the planned data is not captured.

In order to remedy the problem identified, the Release A Planning Subsystem Design has introduced the concept of "baselining" a plan. This is a facility within the Planning Workbench CSC to allow an operator to set a baseline time from the plan against which the reports may be generated. Typically, given a scenario where plans are generated monthly, the operator would baseline the plan at the beginning of the month when the plan is activated . The Planning Workbench software will record the predicted time of the DPRs within the plan at this point as a baseline. As the baseline plan is worked off, reports may be requested daily/weekly/monthly which would show deviations from the baseline.

The general ECS approach to reporting has been to ensure that the data required for a report is available within a persistent store, rather than specify the full format of the reports. This allows the design some flexibility to accommodate a preferred format and data content to be negotiated with the Operations staff. A baseline_time attribute has been added to the persistent DPR attributes to record the baseline against which planned vs. actual performance may be measured.

Status **Closed** **Date Closed** **11/15/95** **Sponsor** **Kempler**

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****** Attachment if any ******